

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021225\  
 Data File : BM049639.D  
 Acq On : 13 Feb 2025 03:31  
 Operator : RC/JU  
 Sample : PB166630BS  
 Misc :  
 ALS Vial : 28 Sample Multiplier: 1

Instrument :  
 BNA\_M  
 ClientSampleId :  
 SLCS630

Quant Time: Feb 17 12:07:14 2025  
 Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM021225.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Wed Feb 12 16:40:36 2025  
 Response via : Initial Calibration

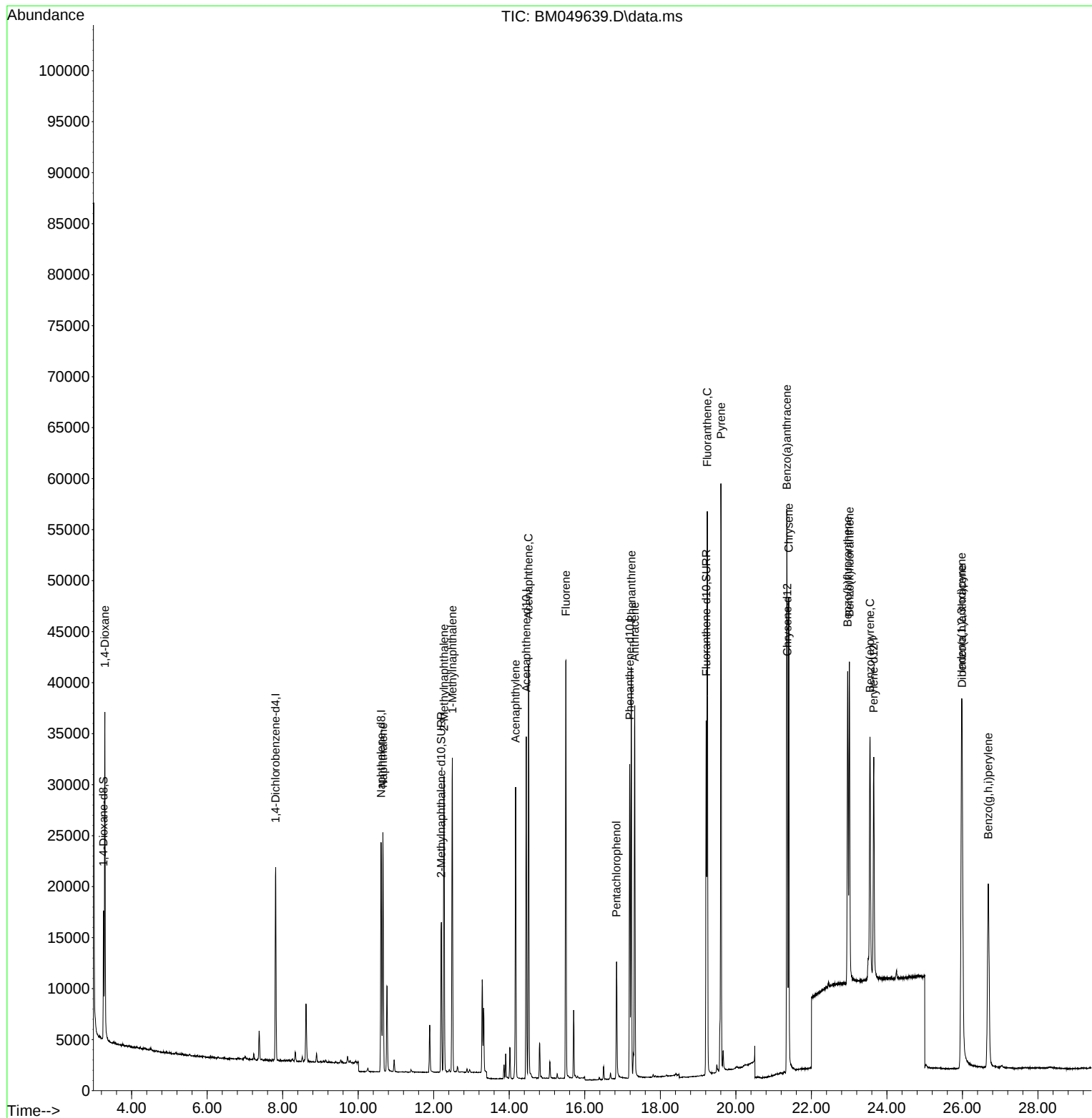
| Compound                    | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-----------------------------|--------|------|----------|-------|--------|----------|
| -----                       |        |      |          |       |        |          |
| Internal Standards          |        |      |          |       |        |          |
| 1) 1,4-Dichlorobenzene-d4   | 7.813  | 152  | 9467     | 0.400 | ng/ul  | 0.00     |
| 4) Naphthalene-d8           | 10.605 | 136  | 29093    | 0.400 | ng/ul  | 0.00     |
| 9) Acenaphthene-d10         | 14.450 | 164  | 18085    | 0.400 | ng/ul  | 0.00     |
| 13) Phenanthrene-d10        | 17.191 | 188  | 37267    | 0.400 | ng/ul  | 0.00     |
| 17) Chrysene-d12            | 21.365 | 240  | 26908    | 0.400 | ng/ul  | 0.00     |
| 23) Perylene-d12            | 23.651 | 264  | 28889    | 0.400 | ng/ul  | 0.00     |
| System Monitoring Compounds |        |      |          |       |        |          |
| 3) 1,4-Dioxane-d8           | 3.256  | 96   | 7494     | 0.704 | ng/ul  | 0.00     |
| 6) 2-Methylnaphthalene-d10  | 12.200 | 152  | 18887    | 0.472 | ng/ul  | 0.00     |
| 18) Fluoranthene-d10        | 19.215 | 212  | 38122    | 0.465 | ng/ul  | 0.00     |
| Target Compounds            |        |      |          |       |        |          |
|                             |        |      |          |       | Qvalue |          |
| 2) 1,4-Dioxane              | 3.290  | 88   | 20123    | 1.748 | ng/ul# | 85       |
| 5) Naphthalene              | 10.655 | 128  | 30166    | 0.418 | ng/ul  | 99       |
| 7) 2-Methylnaphthalene      | 12.271 | 142  | 20340    | 0.433 | ng/ul  | 98       |
| 8) 1-Methylnaphthalene      | 12.491 | 142  | 20905    | 0.439 | ng/ul  | 99       |
| 10) Acenaphthylene          | 14.168 | 152  | 31693    | 0.413 | ng/ul  | 100      |
| 11) Acenaphthene            | 14.510 | 153  | 22460    | 0.402 | ng/ul  | 100      |
| 12) Fluorene                | 15.500 | 166  | 26130    | 0.409 | ng/ul  | 97       |
| 14) Pentachlorophenol       | 16.840 | 266  | 8364     | 1.095 | ng/ul  | 99       |
| 15) Phenanthrene            | 17.233 | 178  | 41363    | 0.415 | ng/ul  | 99       |
| 16) Anthracene              | 17.321 | 178  | 38871    | 0.426 | ng/ul  | 99       |
| 19) Fluoranthene            | 19.242 | 202  | 46472    | 0.418 | ng/ul  | 98       |
| 20) Pyrene                  | 19.605 | 202  | 49488    | 0.431 | ng/ul  | 99       |
| 21) Benzo(a)anthracene      | 21.348 | 228  | 41130    | 0.447 | ng/ul  | 99       |
| 22) Chrysene                | 21.400 | 228  | 41478    | 0.424 | ng/ul  | 99       |
| 24) Benzo(b)fluoranthene    | 22.961 | 252  | 40633    | 0.422 | ng/ul  | 98       |
| 25) Benzo(k)fluoranthene    | 23.008 | 252  | 43164    | 0.398 | ng/ul  | 99       |
| 26) Benzo(a)pyrene          | 23.551 | 252  | 37552    | 0.432 | ng/ul  | 99       |
| 27) Indeno(1,2,3-cd)pyrene  | 25.977 | 276  | 50956    | 0.414 | ng/ul# | 99       |
| 28) Dibenzo(a,h)anthracene  | 25.994 | 278  | 39226    | 0.419 | ng/ul  | 99       |
| 29) Benzo(g,h,i)perylene    | 26.685 | 276  | 40452    | 0.409 | ng/ul  | 99       |
| -----                       |        |      |          |       |        |          |

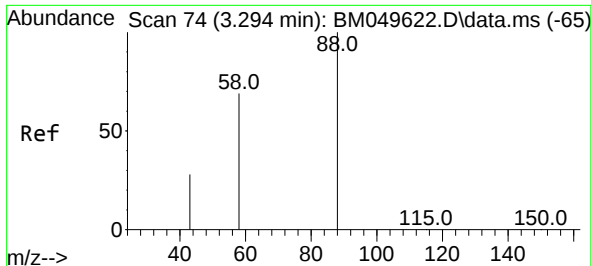
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA\_M\Data\BM021225\  
Data File : BM049639.D  
Acq On : 13 Feb 2025 03:31  
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Sample : PB166630BS  
Misc :  
ALS Vial : 28 Sample Multiplier: 1

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS630

Quant Time: Feb 17 12:07:14 2025  
Quant Method : Z:\svoasrv\HPCHEM1\BNA\_M\Methods\SFAM-EPA-SIM-BM021225.M  
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
QLast Update : Wed Feb 12 16:40:36 2025  
Response via : Initial Calibration

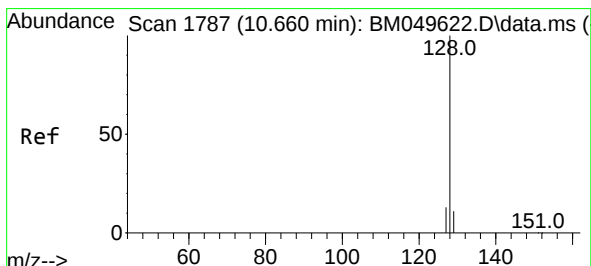
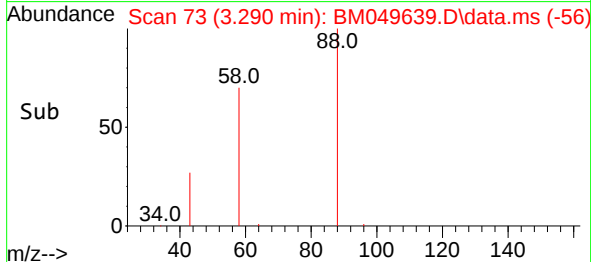
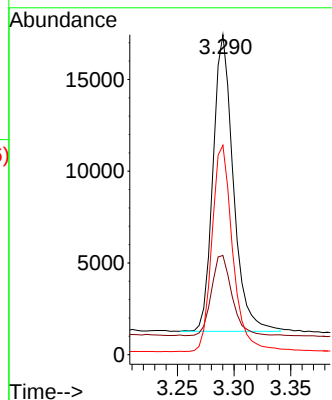
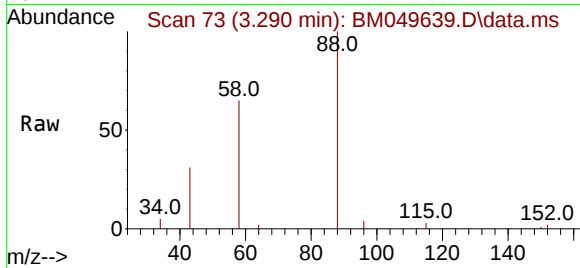




#2  
1,4-Dioxane  
Concen: 1.748 ng/ul  
RT: 3.290 min Scan# 74  
Delta R.T. -0.000 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

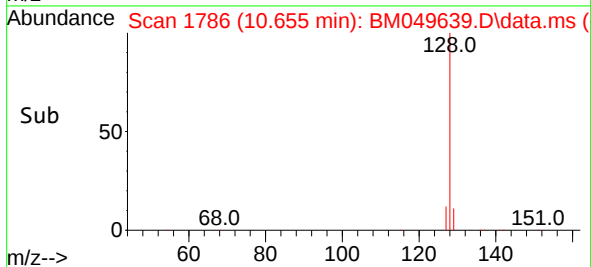
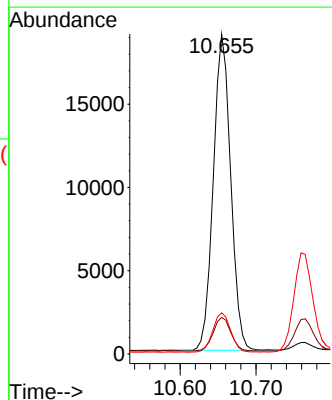
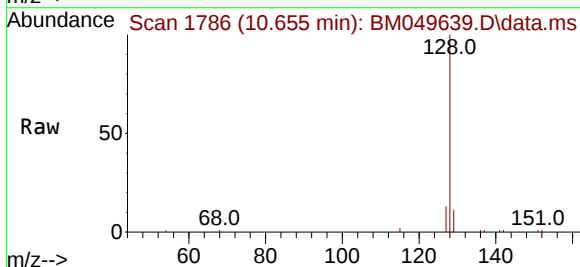
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS630

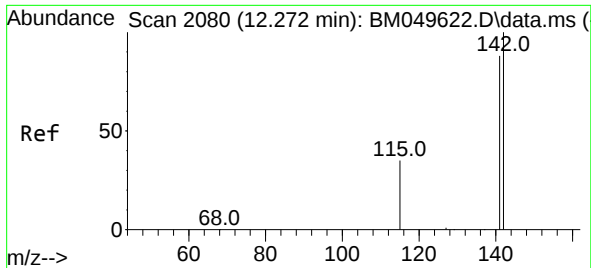
Tgt Ion: 88 Resp: 20123  
Ion Ratio Lower Upper  
88 100  
43 31.0 31.9 47.9#  
58 65.4 43.7 65.5



#5  
Naphthalene  
Concen: 0.418 ng/ul  
RT: 10.655 min Scan# 1786  
Delta R.T. -0.000 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

Tgt Ion: 128 Resp: 30166  
Ion Ratio Lower Upper  
128 100  
129 11.4 9.4 14.0  
127 12.9 10.8 16.2

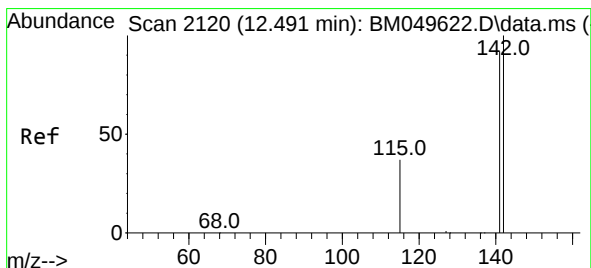
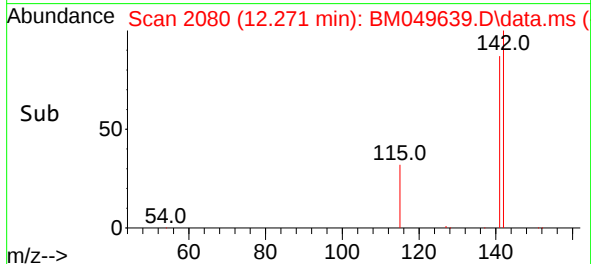
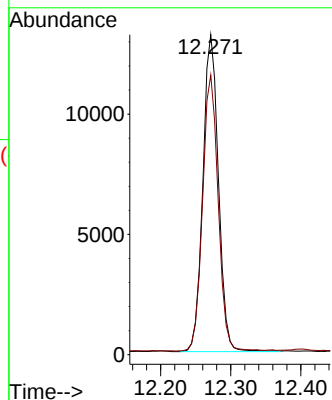
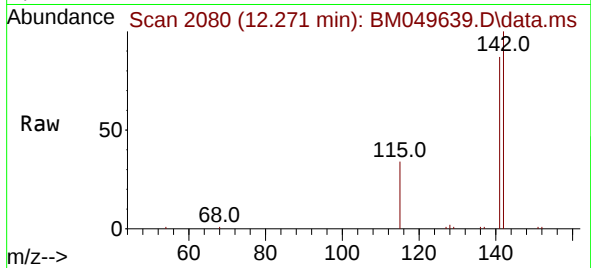




#7  
2-Methylnaphthalene  
Concen: 0.433 ng/ul  
RT: 12.271 min Scan# 2080  
Delta R.T. -0.006 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

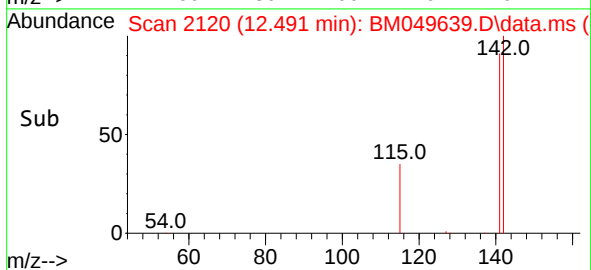
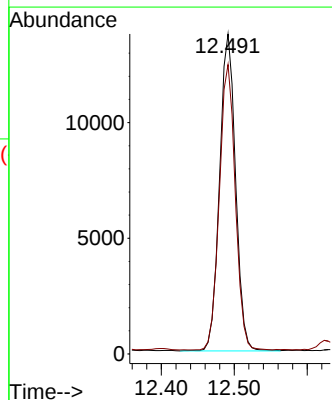
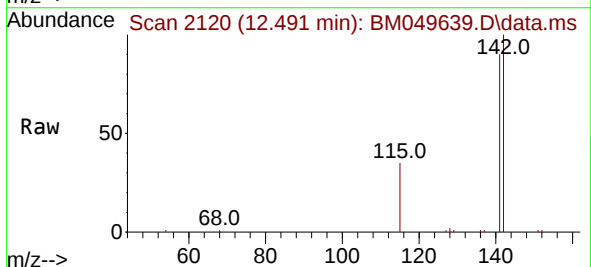
Instrument :  
BNA\_M  
ClientSampleId :  
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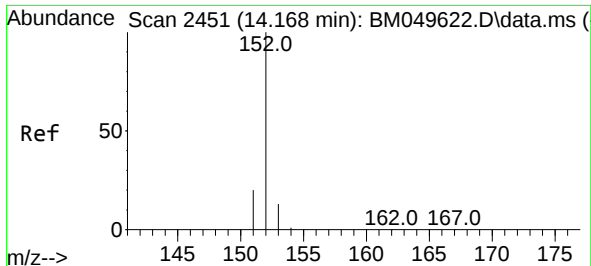
Tgt Ion:142 Resp: 20340  
Ion Ratio Lower Upper  
142 100  
141 87.4 71.0 106.6



#8  
1-Methylnaphthalene  
Concen: 0.439 ng/ul  
RT: 12.491 min Scan# 2120  
Delta R.T. -0.000 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

Tgt Ion:142 Resp: 20905  
Ion Ratio Lower Upper  
142 100  
141 90.0 73.1 109.7

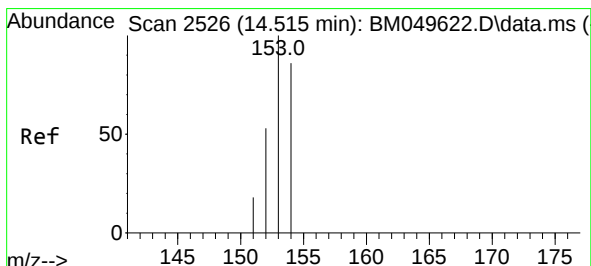
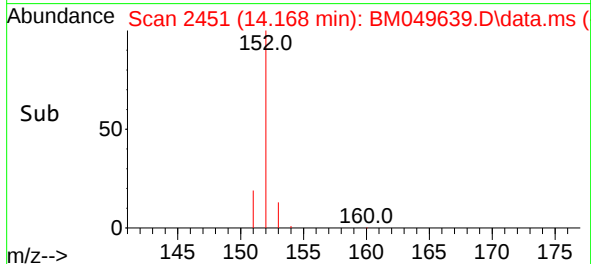
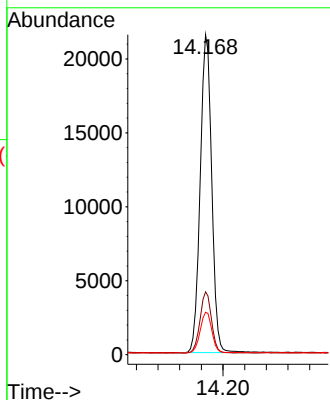
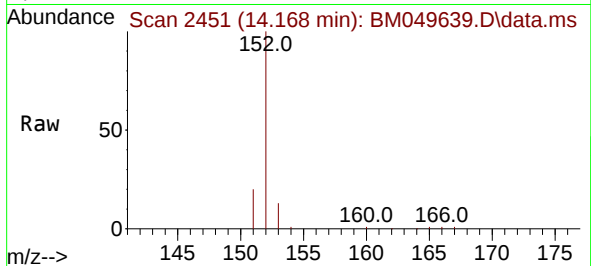




#10  
Acenaphthylene  
Concen: 0.413 ng/ul  
RT: 14.168 min Scan# 2451  
Delta R.T. -0.005 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

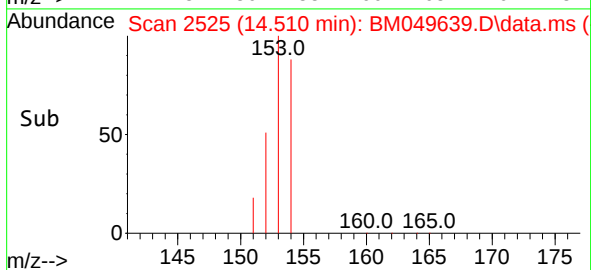
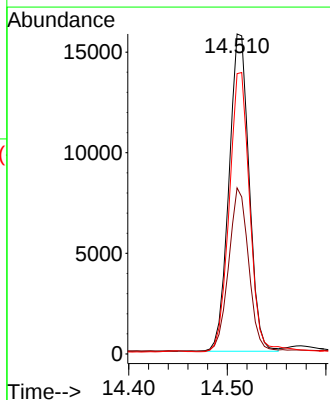
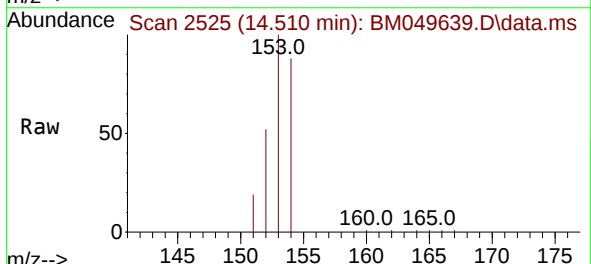
Instrument :  
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ClientSampleId :  
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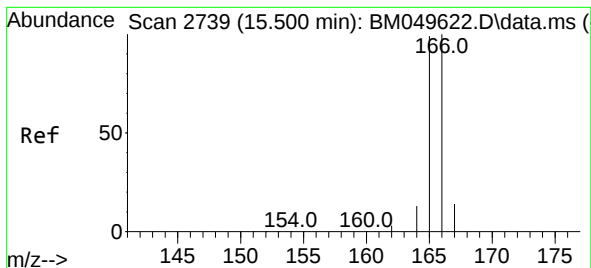
Tgt Ion:152 Resp: 31693  
Ion Ratio Lower Upper  
152 100  
151 19.7 15.8 23.6  
153 13.2 10.5 15.7



#11  
Acenaphthene  
Concen: 0.402 ng/ul  
RT: 14.510 min Scan# 2525  
Delta R.T. -0.005 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

Tgt Ion:153 Resp: 22460  
Ion Ratio Lower Upper  
153 100  
152 51.9 41.9 62.9  
154 87.6 70.2 105.2





#12

Fluorene

Concen: 0.409 ng/ul

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM049639.D

Acq: 13 Feb 2025 03:31

Instrument :

BNA\_M

ClientSampleId :

SLCS630

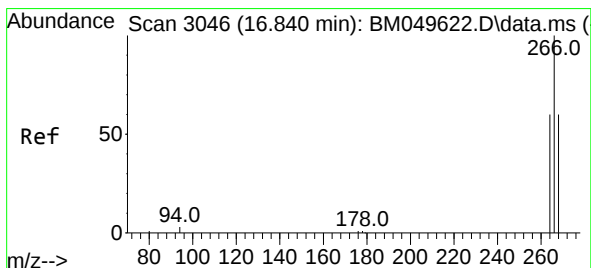
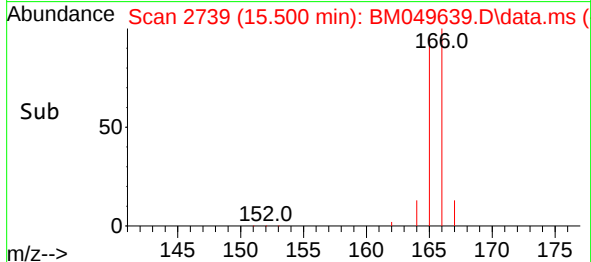
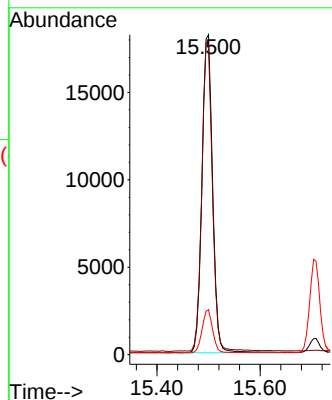
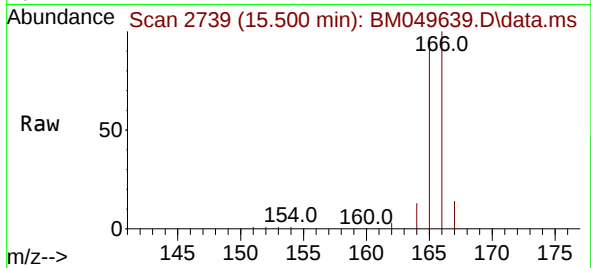
Tgt Ion:166 Resp: 26130

Ion Ratio Lower Upper

166 100

165 96.5 79.6 119.4

167 14.1 11.4 17.2



#14

Pentachlorophenol

Concen: 1.095 ng/ul

RT: 16.840 min Scan# 3046

Delta R.T. -0.000 min

Lab File: BM049639.D

Acq: 13 Feb 2025 03:31

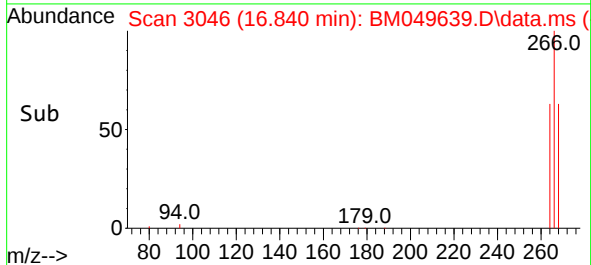
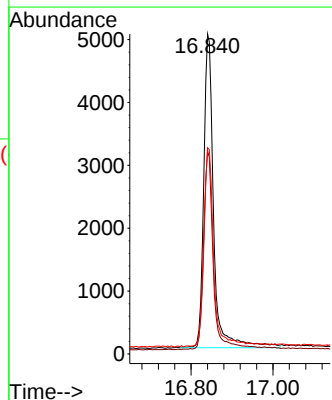
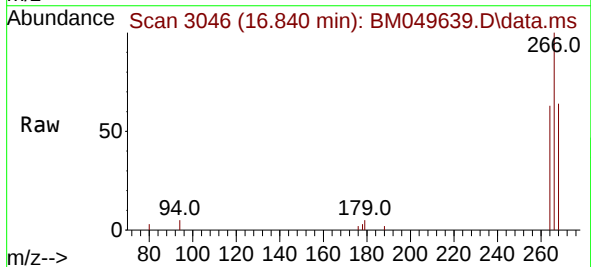
Tgt Ion:266 Resp: 8364

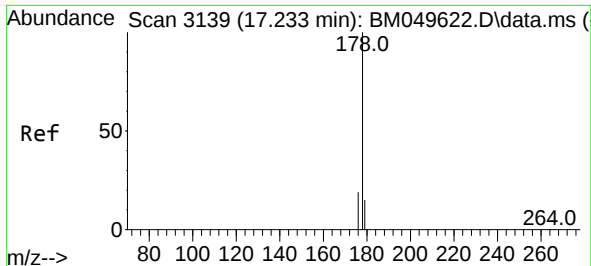
Ion Ratio Lower Upper

266 100

264 63.4 50.3 75.5

268 63.1 49.2 73.8

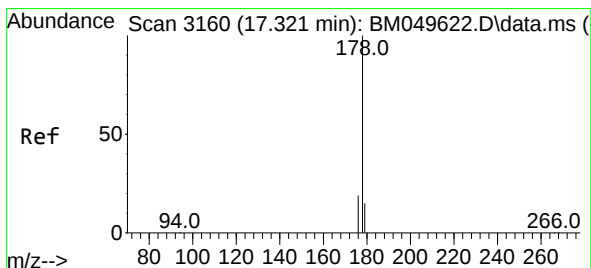
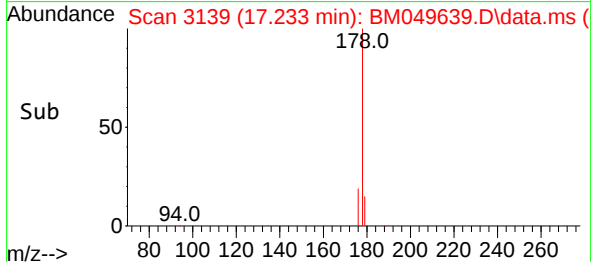
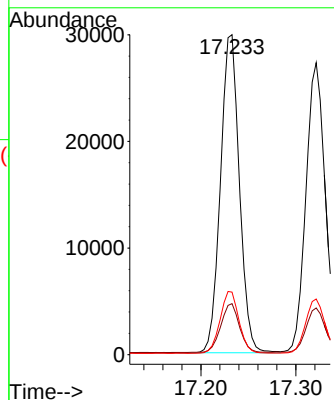
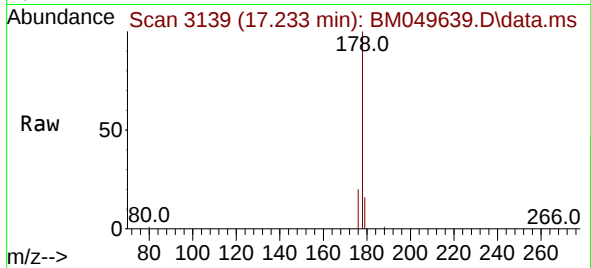




#15  
Phenanthrene  
Concen: 0.415 ng/ul  
RT: 17.233 min Scan# 3139  
Delta R.T. -0.000 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

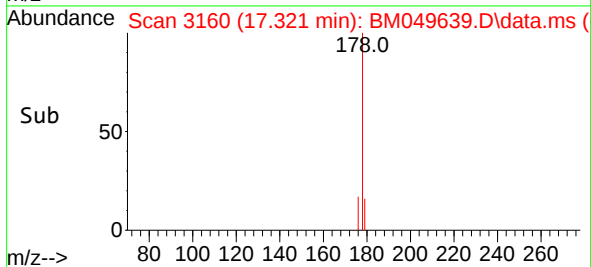
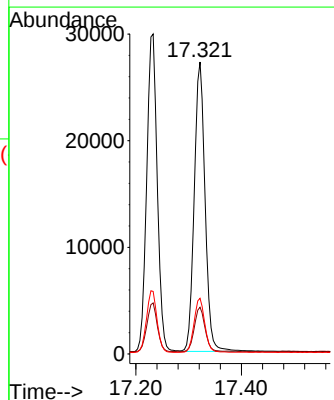
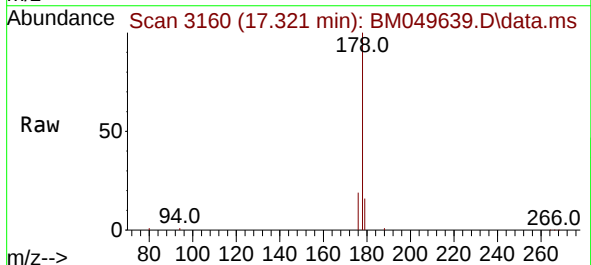
Instrument :  
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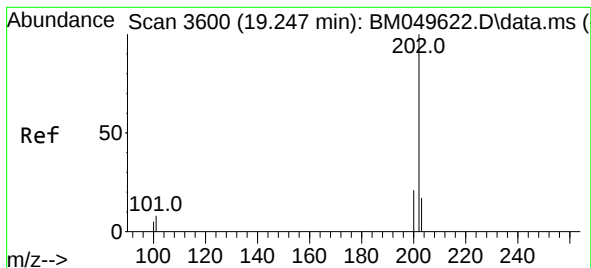
Tgt Ion:178 Resp: 41363  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.6 19.0  
176 19.6 16.2 24.2



#16  
Anthracene  
Concen: 0.426 ng/ul  
RT: 17.321 min Scan# 3160  
Delta R.T. -0.000 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

Tgt Ion:178 Resp: 38871  
Ion Ratio Lower Upper  
178 100  
179 16.0 12.9 19.3  
176 19.1 15.8 23.6





#19

Fluoranthene

Concen: 0.418 ng/ul

RT: 19.242 min Scan# 3

Delta R.T. -0.005 min

Lab File: BM049639.D

Acq: 13 Feb 2025 03:31

Instrument :

BNA\_M

ClientSampleId :

SLCS630

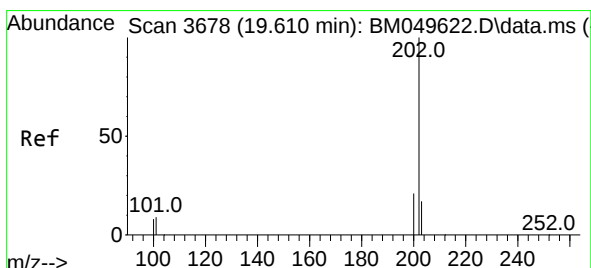
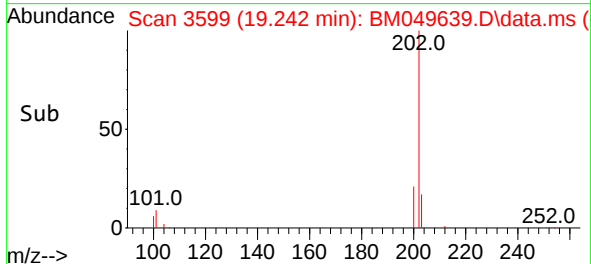
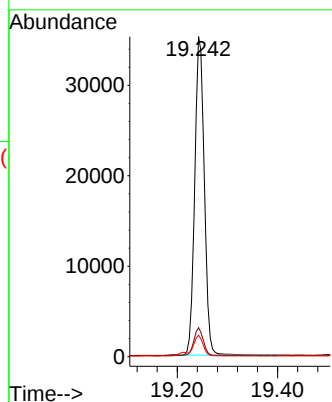
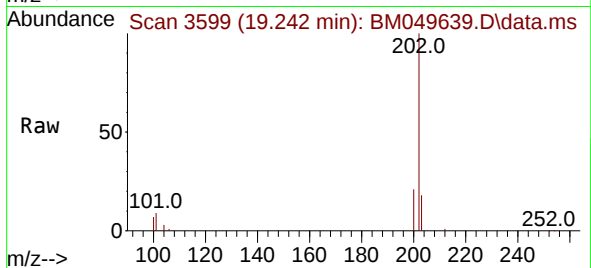
Tgt Ion:202 Resp: 46472

Ion Ratio Lower Upper

202 100

101 9.1 6.7 10.1

100 6.7 5.0 7.4



#20

Pyrene

Concen: 0.431 ng/ul

RT: 19.605 min Scan# 3677

Delta R.T. -0.005 min

Lab File: BM049639.D

Acq: 13 Feb 2025 03:31

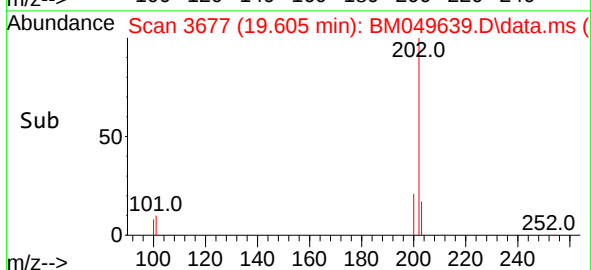
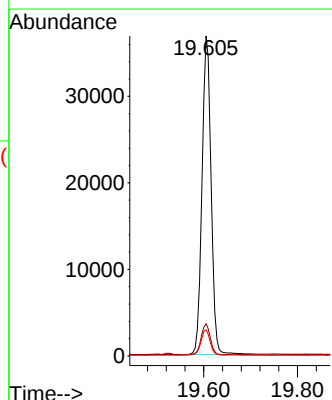
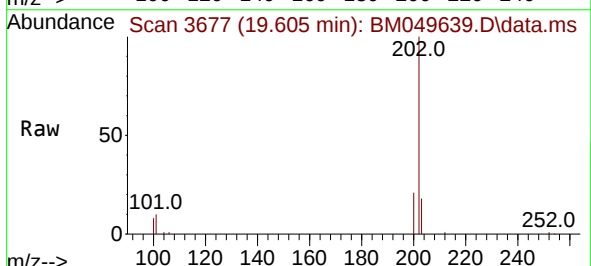
Tgt Ion:202 Resp: 49488

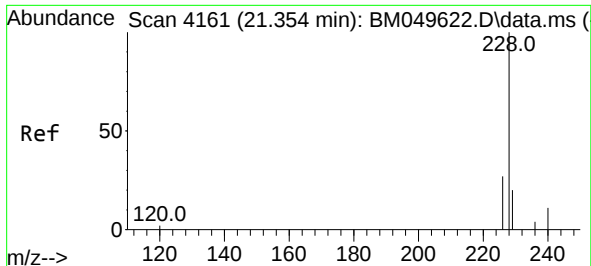
Ion Ratio Lower Upper

202 100

101 10.0 7.5 11.3

100 8.1 6.3 9.5

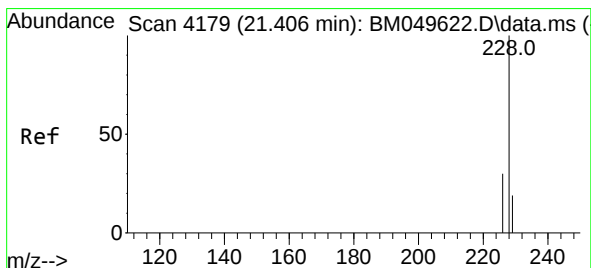
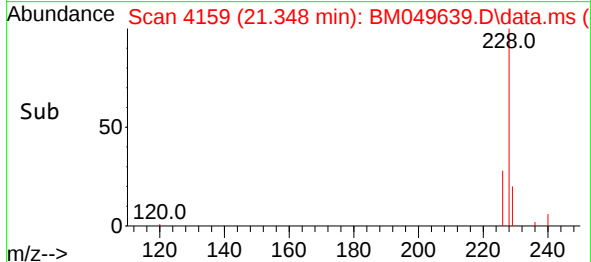
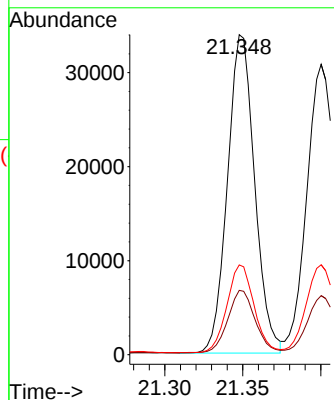
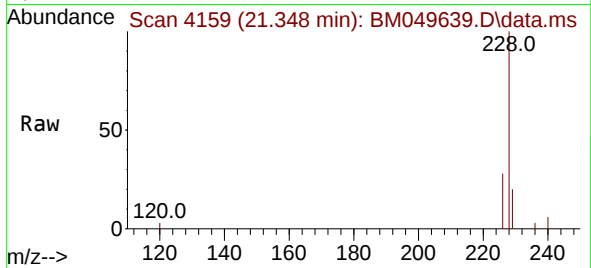




#21  
Benzo(a)anthracene  
Concen: 0.447 ng/ul  
RT: 21.348 min Scan# 41130  
Delta R.T. -0.003 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

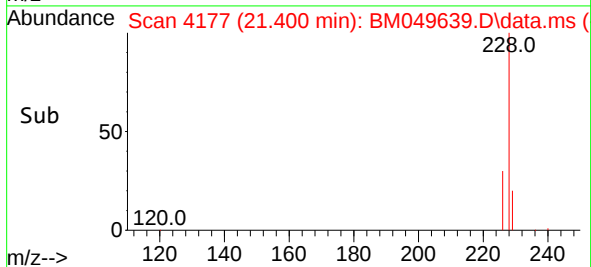
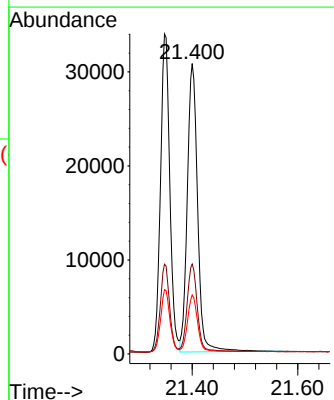
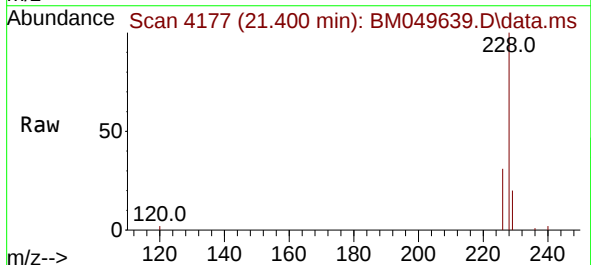
Instrument :  
BNA\_M  
ClientSampleId :  
SLCS630

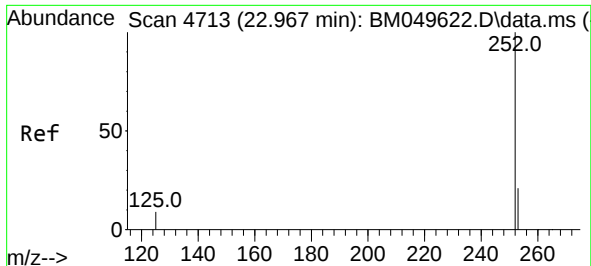
Tgt Ion:228 Resp: 41130  
Ion Ratio Lower Upper  
228 100  
229 20.1 15.7 23.5  
226 28.1 22.2 33.4



#22  
Chrysene  
Concen: 0.424 ng/ul  
RT: 21.400 min Scan# 4177  
Delta R.T. -0.003 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

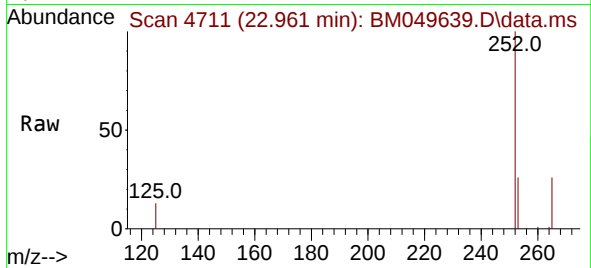
Tgt Ion:228 Resp: 41478  
Ion Ratio Lower Upper  
228 100  
226 31.0 24.9 37.3  
229 20.3 15.6 23.4



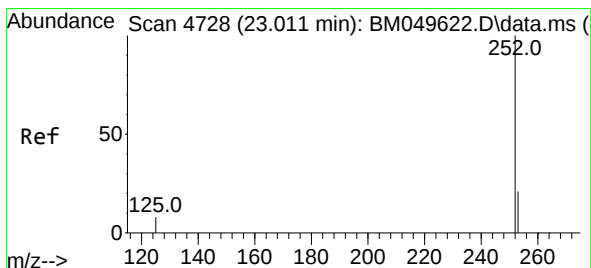
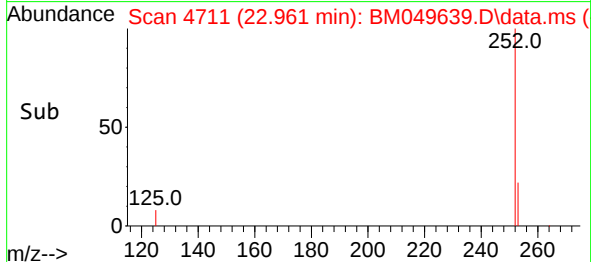
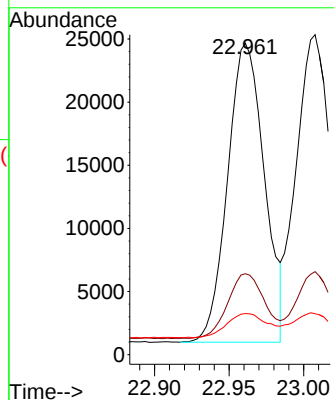


#24  
Benzo(b)fluoranthene  
Concen: 0.422 ng/ul  
RT: 22.961 min Scan# 4711  
Delta R.T. -0.006 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS630

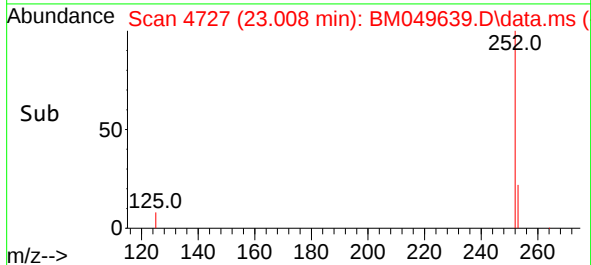
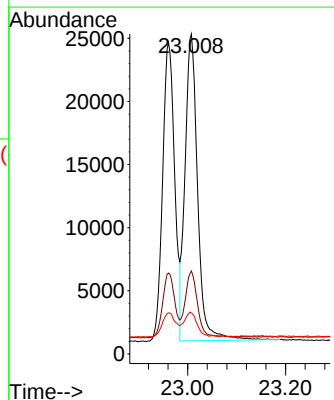
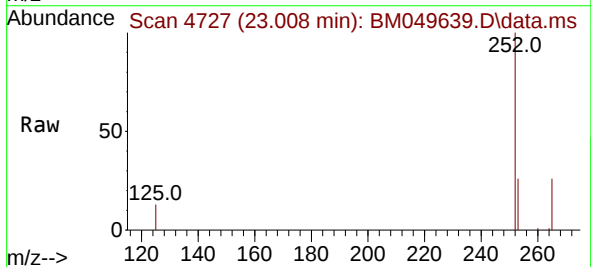


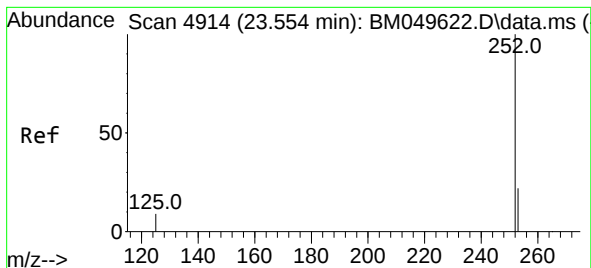
Tgt Ion:252 Resp: 40633  
Ion Ratio Lower Upper  
252 100  
253 26.0 0.0 50.2  
125 13.2 0.0 25.6



#25  
Benzo(k)fluoranthene  
Concen: 0.398 ng/ul  
RT: 23.008 min Scan# 4727  
Delta R.T. -0.003 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

Tgt Ion:252 Resp: 43164  
Ion Ratio Lower Upper  
252 100  
253 26.0 20.2 30.4  
125 12.8 10.4 15.6





#26

Benzo(a)pyrene

Concen: 0.432 ng/ul

RT: 23.551 min Scan# 4914

Delta R.T. -0.003 min

Lab File: BM049639.D

Acq: 13 Feb 2025 03:31

Instrument :

BNA\_M

ClientSampleId :

SLCS630

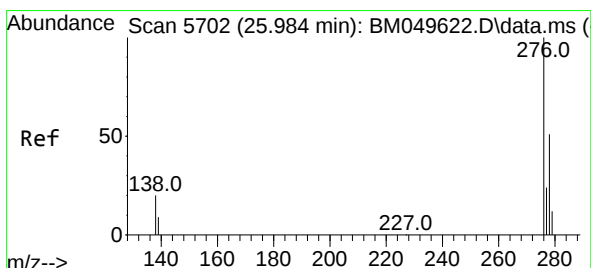
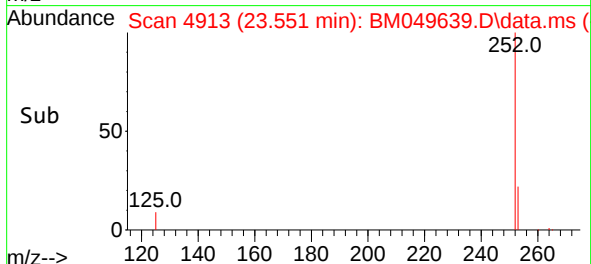
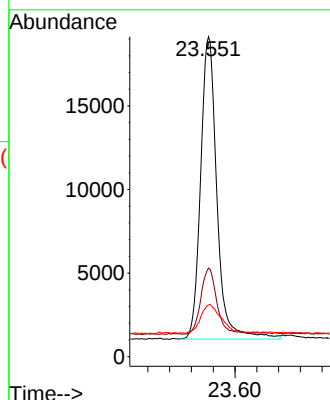
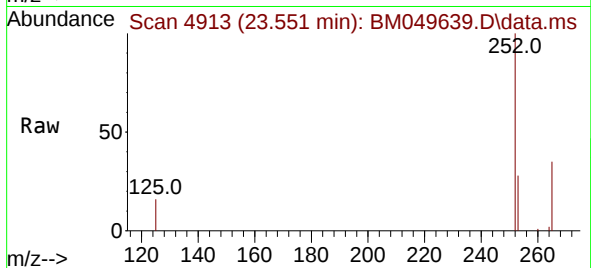
Tgt Ion:252 Resp: 37552

Ion Ratio Lower Upper

252 100

253 27.7 21.6 32.4

125 16.2 12.6 18.8



#27

Indeno(1,2,3-cd)pyrene

Concen: 0.414 ng/ul

RT: 25.977 min Scan# 5700

Delta R.T. -0.007 min

Lab File: BM049639.D

Acq: 13 Feb 2025 03:31

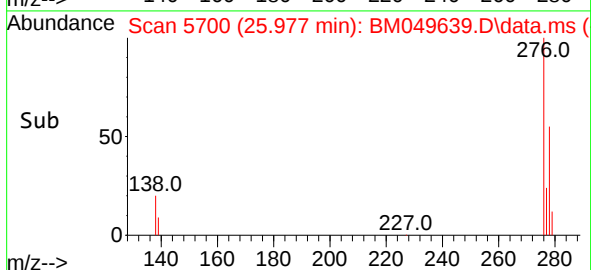
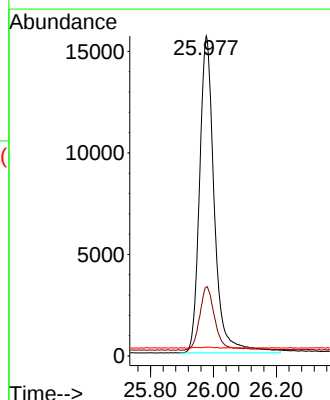
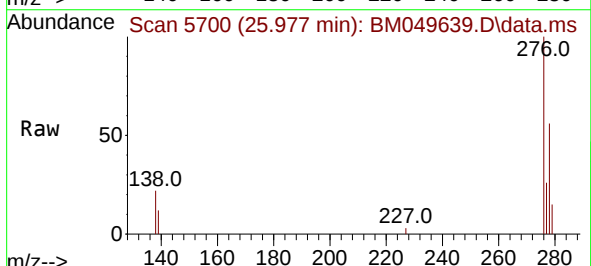
Tgt Ion:276 Resp: 50956

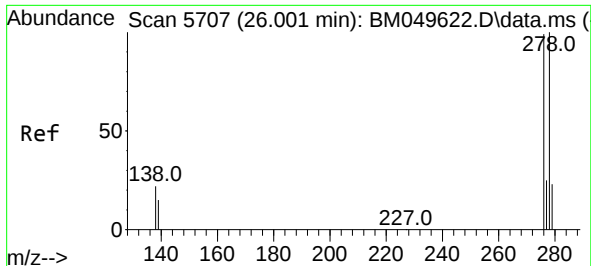
Ion Ratio Lower Upper

276 100

138 21.2 16.5 24.7

227 0.1 0.1 0.1#

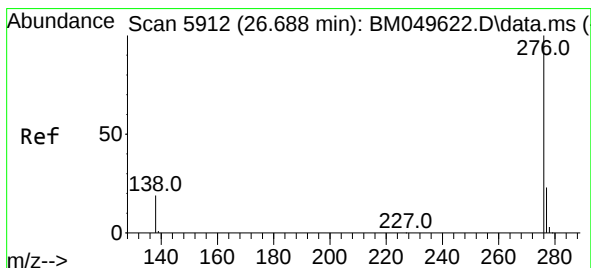
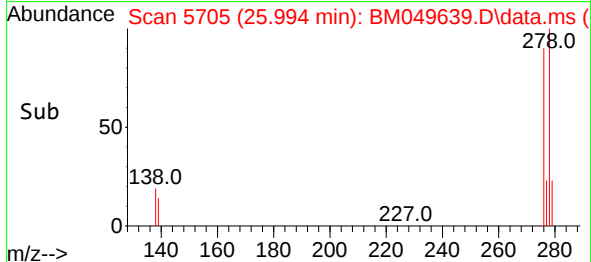
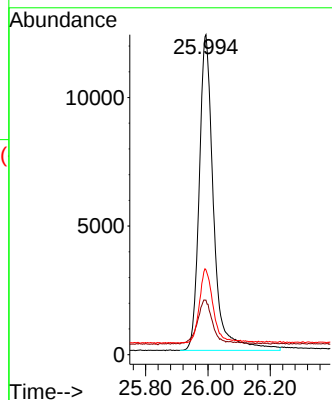
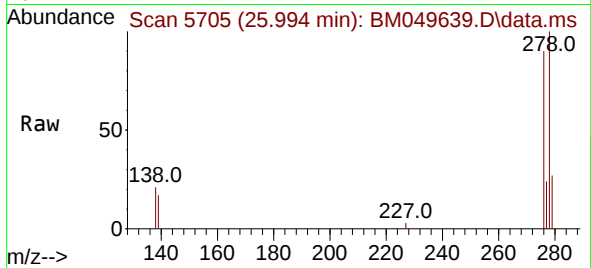




#28  
Dibenzo(a,h)anthracene  
Concen: 0.419 ng/ul  
RT: 25.994 min Scan# 51  
Delta R.T. -0.007 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

Instrument :  
BNA\_M  
ClientSampleId :  
SLCS630

Tgt Ion:278 Resp: 39226  
Ion Ratio Lower Upper  
278 100  
139 17.0 13.4 20.0  
279 26.5 21.5 32.3



#29  
Benzo(g,h,i)perylene  
Concen: 0.409 ng/ul  
RT: 26.685 min Scan# 5911  
Delta R.T. -0.007 min  
Lab File: BM049639.D  
Acq: 13 Feb 2025 03:31

Tgt Ion:276 Resp: 40452  
Ion Ratio Lower Upper  
276 100  
138 19.8 15.8 23.6  
277 25.9 19.9 29.9

